

**REMARKS**

Claims 1-6 are pending in this application. By this Amendment, claims 1, 5 and 6 are amended.

Applicant thanks Examiners Lee and Gebremariam for the courtesy extended to Applicant's representative, Mr. Luo, during the March 8, 2004 personal interview. The substance of the personal interview is incorporated in the following remarks.

The Office Action objects to claims 5 and 6. Claims 5 and 6 are amended, as the Examiner requested, to overcome this objection. Accordingly, withdrawal of the objection to claims 5 and 6 is respectfully requested.

The Office Action rejects claims 1-6 under 35 U.S.C. §102(b) over U.S. Patent No. 6,051,857 to Miida. This rejection is respectfully traversed.

The Office Action asserts that Miida discloses all elements recited in claims 1-6. Applicant respectfully submits that Miida does not disclose a control circuit that includes a voltage generating circuit, a vertical control circuit and a horizontal control circuit, the control circuit configured to be capable of discharging a charge in an isolated gate field effect transistor by applying a gate voltage and a source voltage to the insulated gate field effect transistor via the vertical and horizontal control circuits, as recited in claims 1, 5 and 6.

Miida discloses an apparatus in which a unit pixel 101 includes a photo-diode 111 as a region for generating charges when it is illuminated with light. See Fig. 2 and col. 7, lines 53-61. Miida discloses a region for generating charges, but does not disclose discharging a charge in the insulated gate field effect transistor, much less a controlled circuit that includes a voltage generating circuit, a vertical control circuit and a horizontal control circuit, the control circuit configured to be capable of discharging a charge in the insulated gate field effect transistor by applying a gate voltage and a source voltage to the insulated gate field effect transistor via the vertical and horizontal control circuits. Therefore, Miida does not

disclose each and every element recited in claims 1, 5 and 6, and claims 2-4 depending therefrom.

For at least the above reason, withdrawal of the rejection of claims 1-6 under 35 U.S.C. §102(b) is respectfully requested.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-6 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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